

Title (en)
HOLDER FOR A MOLTEN METAL SAMPLING DEVICE

Publication
EP 0311261 A3 19891004 (EN)

Application
EP 88308369 A 19880909

Priority
GB 8721185 A 19870909

Abstract (en)
[origin: EP0311261A2] A holder for a molten metal sampling device includes a thick-walled metallic pipe (11) having a lower portion defining an internal guidance chamber, and an upper portion receiving and retaining a sampling device (9). An opening 16 is provided in the pipe such as to make it define an angle with respect to the axis of the pipe. A closure element (8) is provided, having a density such that it will seek to float upwardly in molten metal being sampled. A retaining element (15) urges the closure element against the opening to close it. The retaining element is located and has a composition such that it will readily melt upon contact with the molten metal.

IPC 1-7
G01N 1/12

IPC 8 full level
C21C 5/46 (2006.01); **G01N 1/12** (2006.01)

CPC (source: EP US)
C21C 5/4673 (2013.01 - EP US); **G01N 1/125** (2013.01 - EP US); **Y10S 73/09** (2013.01 - EP US)

Citation (search report)

- [Y] FR 1526144 A 19680524 - SIDERURGIE FSE INST RECH
- [Y] GB 1349774 A 19740410 - FALK R A
- [A] DE 1598830 A1 19710527 - MANNESMANN AG
- [A] US 4250754 A 19810217 - COLLINS WILLIAM J
- [A] FR 2558957 A1 19850802 - MANNESMANN AG [DE]

Cited by
EP0404291A3

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0311261 A2 19890412; **EP 0311261 A3 19891004**; **EP 0311261 B1 19921119**; AT E82635 T1 19921215; CA 1334343 C 19950214; DE 3876064 D1 19921224; DE 3876064 T2 19930506; GB 8721185 D0 19871014; US 4932271 A 19900612

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